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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/956,518ADATE: 04/14/1999  
TIME: 14:36:27

INPUT SET: S31454.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Leonard, Sherry  
6 Freedman, Robert  
7  
8 (ii) TITLE OF INVENTION: ALPHA-7 NICOTINIC RECEPTOR  
9  
10 (iii) NUMBER OF SEQUENCES: 121  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: MEDLEN & CARROLL, LLP  
14 (B) STREET: 220 Montgomery Street, Suite 2200  
15 (C) CITY: San Francisco  
16 (D) STATE: CA  
17 (E) COUNTRY: USA  
18 (F) ZIP: 94104  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: US 08/956,518  
28 (B) FILING DATE: 23-OCT-1997  
29 (C) CLASSIFICATION:  
30  
31 (viii) ATTORNEY/AGENT INFORMATION:  
32 (A) NAME: MacKnight, Kamrin T.  
33 (B) REGISTRATION NUMBER: 38,230  
34 (C) REFERENCE/DOCKET NUMBER: UTC-03042  
35  
36 (ix) TELECOMMUNICATION INFORMATION:  
37 (A) TELEPHONE: 415-705-8410  
38 (B) TELEFAX: 415-397-8338  
39  
40  
41 (2) INFORMATION FOR SEQ ID NO:1:  
42  
43 (i) SEQUENCE CHARACTERISTICS:  
44 (A) LENGTH: 21 base pairs  
45 (B) TYPE: nucleic acid  
46 (C) STRANDEDNESS: single

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47 (D) TOPOLOGY: linear  
48  
49 (ii) MOLECULE TYPE: other nucleic acid  
50 (A) DESCRIPTION: /desc = "DNA"  
51  
52  
53  
54  
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
56  
57 TCCTGATGTC GGCTCCCAAC T 21  
58  
59 (2) INFORMATION FOR SEQ ID NO:2:  
60  
61 (i) SEQUENCE CHARACTERISTICS:  
62 (A) LENGTH: 21 base pairs  
63 (B) TYPE: nucleic acid  
64 (C) STRANDEDNESS: single  
65 (D) TOPOLOGY: linear  
66  
67 (ii) MOLECULE TYPE: other nucleic acid  
68 (A) DESCRIPTION: /desc = "DNA"  
69  
70  
71  
72  
73 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
74  
75 GGTACGGATG TGCCAAGGAT A 21  
76  
77 (2) INFORMATION FOR SEQ ID NO:3:  
78  
79 (i) SEQUENCE CHARACTERISTICS:  
80 (A) LENGTH: 21 base pairs  
81 (B) TYPE: nucleic acid  
82 (C) STRANDEDNESS: single  
83 (D) TOPOLOGY: linear  
84  
85 (ii) MOLECULE TYPE: other nucleic acid  
86 (A) DESCRIPTION: /desc = "DNA"  
87  
88  
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90  
91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
92  
93 TTTGGGGGTG CTAATCCAGG A 21  
94  
95 (2) INFORMATION FOR SEQ ID NO:4:  
96  
97 (i) SEQUENCE CHARACTERISTICS:  
98 (A) LENGTH: 21 base pairs  
99 (B) TYPE: nucleic acid

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100 (C) STRANDEDNESS: single  
101 (D) TOPOLOGY: linear  
102  
103 (ii) MOLECULE TYPE: other nucleic acid  
104 (A) DESCRIPTION: /desc = "DNA"  
105  
106  
107  
108  
109 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
110

TTGTTTTTCCT TCCACCAGTC A

21

112  
113 (2) INFORMATION FOR SEQ ID NO:5:  
114  
115 (i) SEQUENCE CHARACTERISTICS:  
116 (A) LENGTH: 22 base pairs  
117 (B) TYPE: nucleic acid  
118 (C) STRANDEDNESS: single  
119 (D) TOPOLOGY: linear  
120  
121 (ii) MOLECULE TYPE: other nucleic acid  
122 (A) DESCRIPTION: /desc = "DNA"  
123  
124  
125  
126

127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
128  
129 CTCGCTGCAG CTCCGGGACT CA  
130

22

131 (2) INFORMATION FOR SEQ ID NO:6:  
132  
133 (i) SEQUENCE CHARACTERISTICS:  
134 (A) LENGTH: 20 base pairs  
135 (B) TYPE: nucleic acid  
136 (C) STRANDEDNESS: single  
137 (D) TOPOLOGY: linear  
138  
139 (ii) MOLECULE TYPE: other nucleic acid  
140 (A) DESCRIPTION: /desc = "DNA"  
141  
142  
143  
144

145 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
146  
147 GGAGGCTCAG GGAGAAGTAG  
148

20

149 (2) INFORMATION FOR SEQ ID NO:7:  
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151 (i) SEQUENCE CHARACTERISTICS:  
152 (A) LENGTH: 21 base pairs

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153 (B) TYPE: nucleic acid  
154 (C) STRANDEDNESS: single  
155 (D) TOPOLOGY: linear  
156  
157 (ii) MOLECULE TYPE: other nucleic acid  
158 (A) DESCRIPTION: /desc = "DNA"  
159  
160  
161  
162  
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
164  
165 CTCCAGGATC TTGGCCAAGT C 21  
166  
167 (2) INFORMATION FOR SEQ ID NO:8:  
168  
169 (i) SEQUENCE CHARACTERISTICS:  
170 (A) LENGTH: 21 base pairs  
171 (B) TYPE: nucleic acid  
172 (C) STRANDEDNESS: single  
173 (D) TOPOLOGY: linear  
174  
175 (ii) MOLECULE TYPE: other nucleic acid  
176 (A) DESCRIPTION: /desc = "DNA"  
177  
178  
179  
180  
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
182  
183 AGATGCCCAA GTGGACCAGA G 21  
184  
185 (2) INFORMATION FOR SEQ ID NO:9:  
186  
187 (i) SEQUENCE CHARACTERISTICS:  
188 (A) LENGTH: 337 base pairs  
189 (B) TYPE: nucleic acid  
190 (C) STRANDEDNESS: single  
191 (D) TOPOLOGY: linear  
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193 (ii) MOLECULE TYPE: other nucleic acid  
194 (A) DESCRIPTION: /desc = "DNA"  
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197  
198  
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
200  
201 AGATGCCCAA GTGGACCAGA GTCATCCTTC TGAAGTGGTG CGCGTGGTTC CTGCGAATGA 60  
202  
203 AGAGGCCCGG GGAGGACAAG GTGCGCCCGG CCTGCCAGCA CAAGCAGCGG CGCTGCAGCC 120  
204  
205 TGGCCAGTGT GGAGATGAGC GCCGTGGGCC CGCCGCCCGC CAGCAACGGG AACCTGCTGT 180

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206  
207 ACATCGGCTT CCGCGGCCTG GACGGCGTGC ACTGTGTCCC GACCCCCGAC TCTGGGGTAG 240  
208  
209 TGTGTGGCCG CATGGCCTGC TCCCCACGC ACGATGAGCA CCTCCTGCAC GCGGGGCAAC 300  
210  
211 CCCCCGAGGG GGACCCGGAC TTGGCCAAGA TCCTGGA 337  
212

213 (2) INFORMATION FOR SEQ ID NO:10:

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215 (i) SEQUENCE CHARACTERISTICS:

216 (A) LENGTH: 32 base pairs

217 (B) TYPE: nucleic acid

218 (C) STRANDEDNESS: single

219 (D) TOPOLOGY: linear

220

221 (ii) MOLECULE TYPE: other nucleic acid

222 (A) DESCRIPTION: /desc = "DNA"

223

224

225

226

227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

228

229 CACACACACA CACACACACA CACACACACA CA

32

230

231 (2) INFORMATION FOR SEQ ID NO:11:

232

233 (i) SEQUENCE CHARACTERISTICS:

234 (A) LENGTH: 54 base pairs

235 (B) TYPE: nucleic acid

236 (C) STRANDEDNESS: single

237 (D) TOPOLOGY: linear

238

239 (ii) MOLECULE TYPE: other nucleic acid

240 (A) DESCRIPTION: /desc = "DNA"

241

242

243

244

245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

246

247 CACACACACA TCACACACAC ACACACACAC ACACATACAC ACACACACCA CACA

54

248

249 (2) INFORMATION FOR SEQ ID NO:12:

250

251 (i) SEQUENCE CHARACTERISTICS:

252 (A) LENGTH: 16 base pairs

253 (B) TYPE: nucleic acid

254 (C) STRANDEDNESS: single

255 (D) TOPOLOGY: linear

256

257 (ii) MOLECULE TYPE: other nucleic acid

258 (A) DESCRIPTION: /desc = "DNA"

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/956,518A**

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Line

Error

Original Text